

ABSTRACT OF THE DISCLOSURE

A modem that includes a list of the multiple domain names is firstly provided. Each of the domain names is associated with a different Broadband Service Node (BSN). A PPPoE session is established, and an authentication request, containing the identifier and a generic password, is transmitted from a modem to multiple domain names over the PPPoE network. Subsequently, authorization is received from at least one of the domain names. The authorization preferably comprises at least one static Internet Protocol (IP) address. The modem then obtains full configuration details from an Internet Service Provider (ISP). The invention also provides a system and a computer program product for provisioning broadband service in a Point-to-Point Protocol Over Ethernet (PPPoE) network. (117 words)